

# I-405/SR 167 Corridor

## **Executive Advisory Group**

Renton Community Center  
December 11, 2018

# Introductions and agenda

- King County Parks update
  - Eastside Rail Corridor Regional Trail
- Sound Transit update
  - I-405 Bus Rapid Transit
  - Executive Leadership Group report-out
- WSDOT update
  - Project Updates
  - I-405 Renton to Bellevue Project
  - 2019 Legislative Session: Toll Authorization
- Public comment
- Wrap-up

# Meeting Topics/Schedule

## June 2018 Meeting

- King County Parks update
- Sound Transit Bus Rapid Transit update
- I-405 Renton to Bellevue update
- Office of the State Treasurer bonding analysis

## December 2018 Meeting

- King County Parks update
- Sound Transit Bus Rapid Transit update
- I-405 Renton to Bellevue project update
- 2019 Toll Authorization Legislation

# I-405 Master Plan

## Regional Consensus

- EIS Record of Decision, 2002
- **Multimodal, multiagency plan**

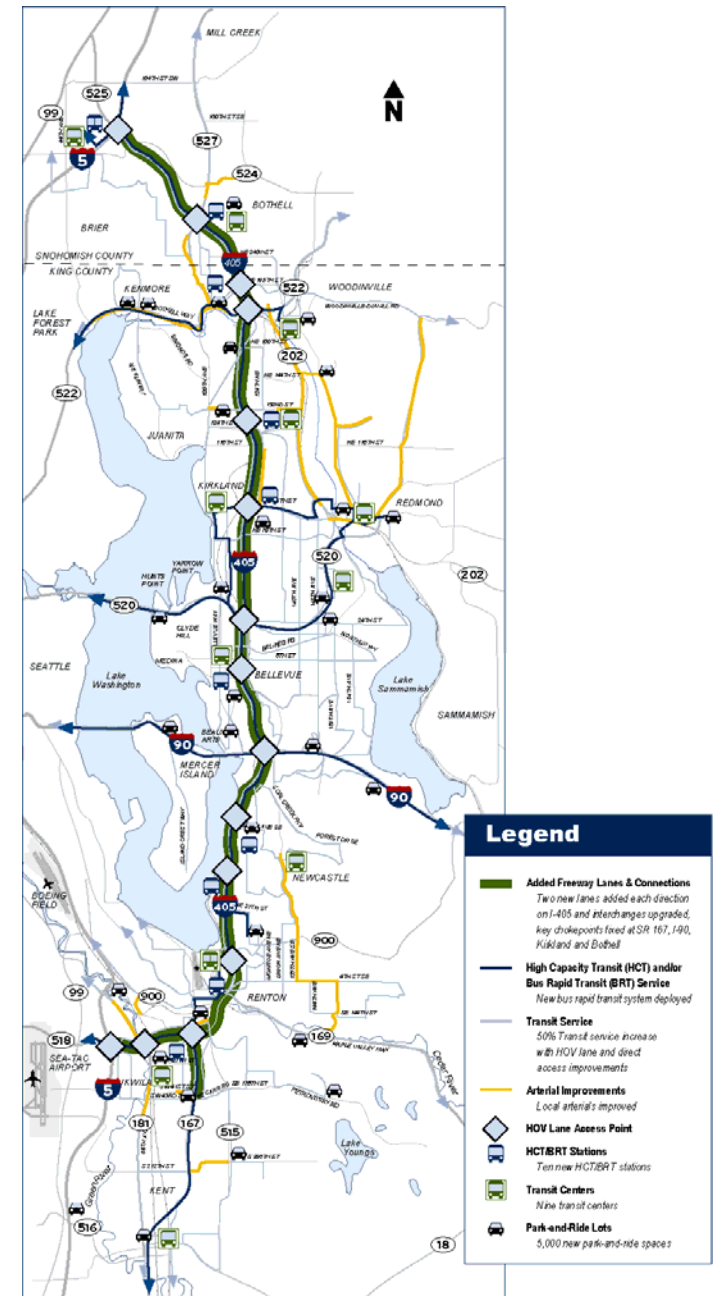
## Roadways

- 2 new lanes in each direction
- Local arterial improvements

## Transit & Transportation Choices

- Bus Rapid Transit system
- New transit centers
- 50% transit service increase
- HOV direct access ramps and flyer stops
- Managed lanes system
- 5000 new Park & Ride spaces
- 1700 new vanpools

## Environmental Enhancements





# I-405 Master Plan: Multimodal and making progress

## Park and Ride expansions

138% complete or funded



## Transit center expansions

70% complete



## Bus Rapid Transit stations

91% complete or funded



## Local arterial improvements

50% complete



## Add 2 lanes in each direction

45% complete or funded



## Transit service increase

62% complete or anticipated



## Direct Access and Direct Connectors

19% complete or funded



## Vanpool service increase

40% complete



## Pedestrian/bicycle improvements

65% complete or funded



# King County Parks Update

## Eastside Rail Corridor Regional Trail

**Curt Warber**  
Project Manager  
King County Parks



# Eastside Rail Corridor / I-405

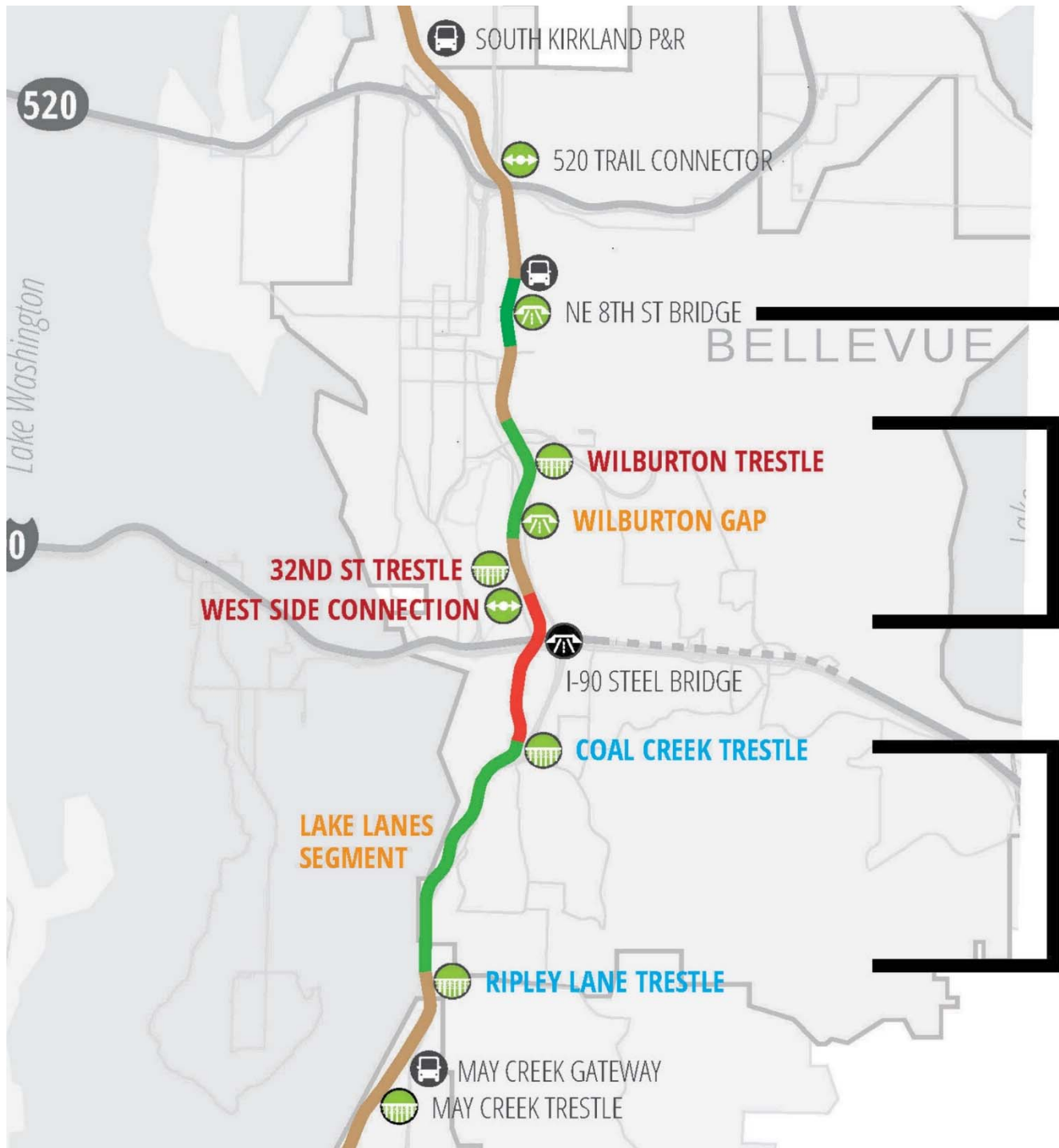
## December 2018 Update



King County

**PARKS**

Your Big Backyard



**NE 8th Crossing**

**WILBURTON  
GAP + TRESTLE**

**LAKE LANES  
TRAIL**



An aerial photograph showing a body of water (Lake Lanes) with several boats docked at piers. The shoreline is lined with houses and trees. A multi-lane highway runs diagonally across the right side of the image, with cars and a large white truck visible. The text is overlaid on the left side of the image.

# **Lake Lanes Trail**

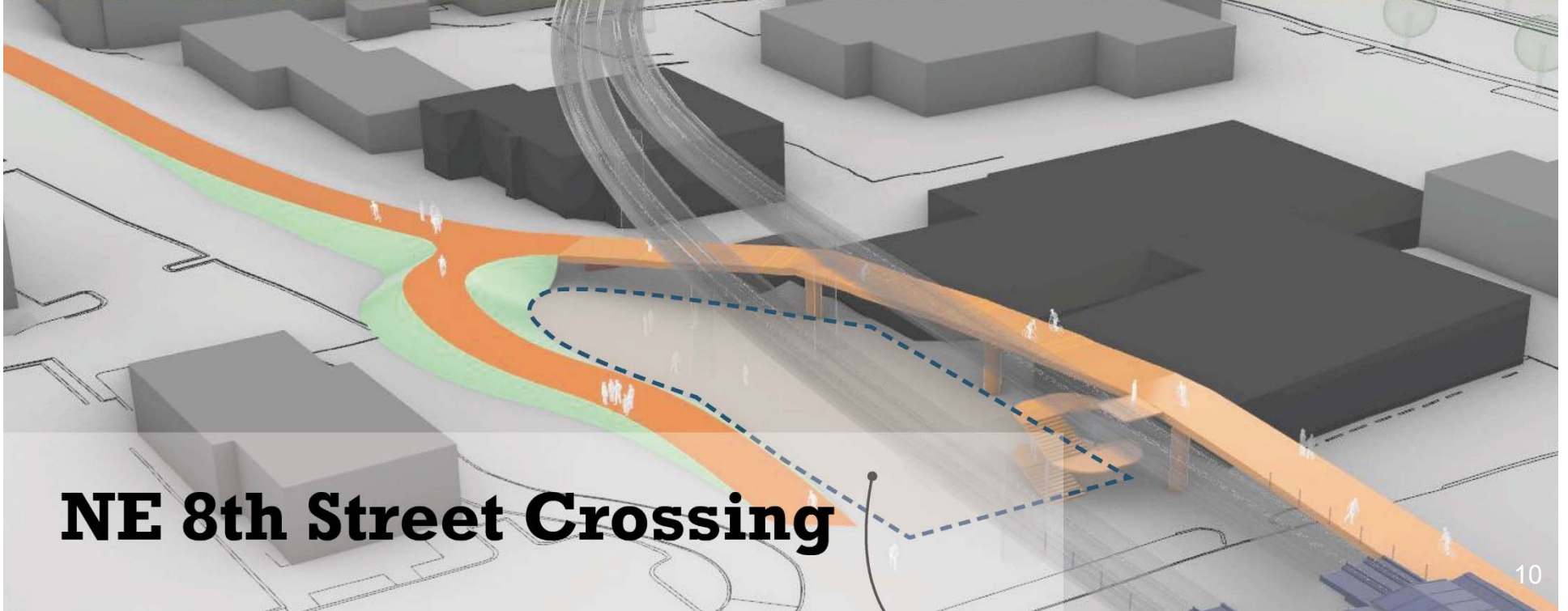
- **Paves + widens 2.5 miles of trail**

A photograph taken from the perspective of someone walking on a wooden trestle bridge. The bridge tracks lead towards a large bridge structure in the distance, which spans over a highway (I-405). The surrounding area is lush with green trees and vegetation. The city skyline is visible in the background under a cloudy sky. The text is overlaid on the left side of the image.

# **Wilburton Gap + Trestle**

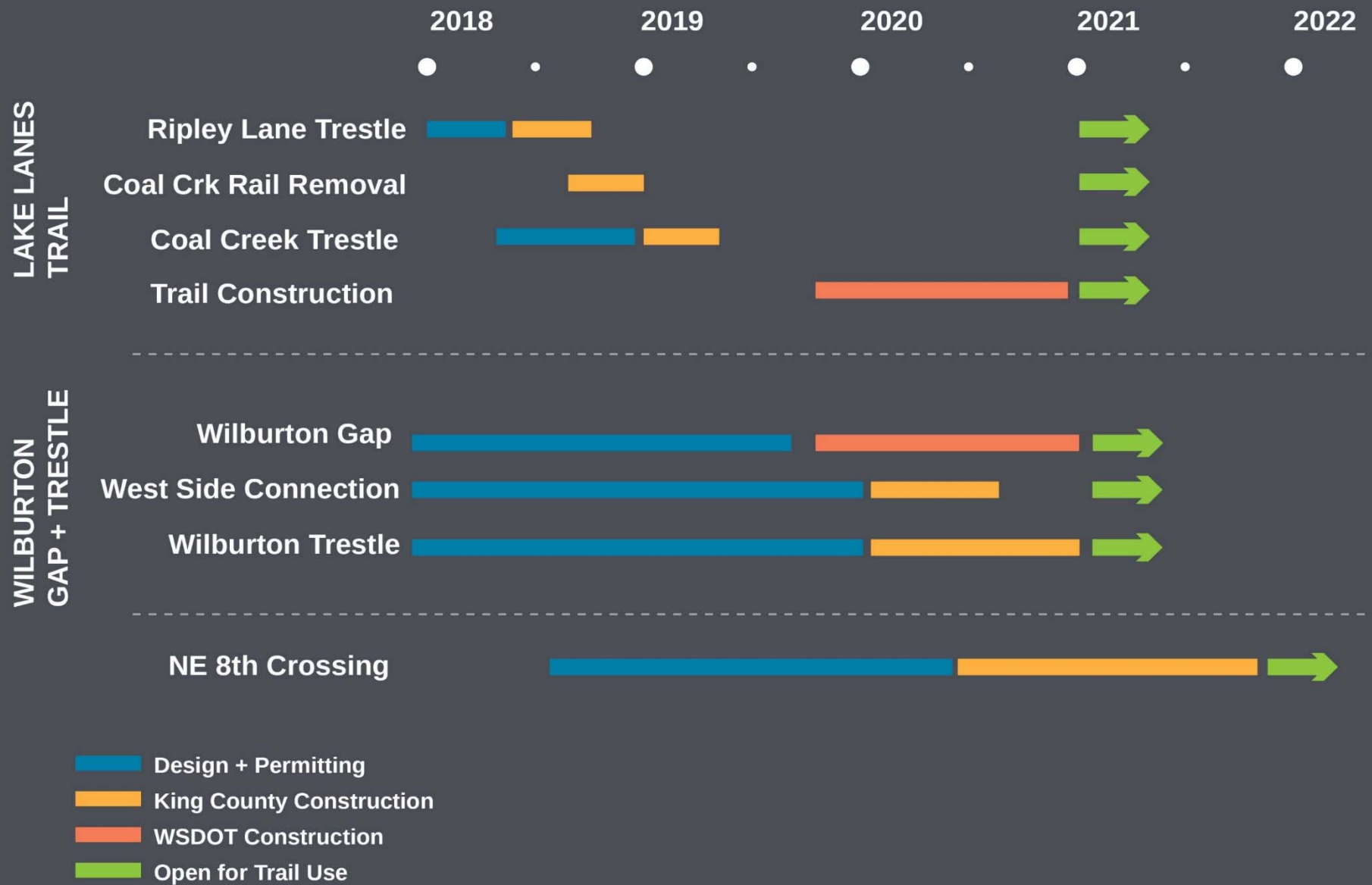
- **1.75 miles of trail**
- **Wilburton Gap Bridge over I-405**
- **Wilburton Trestle**





**NE 8th Street Crossing**

# EASTSIDE RAIL CORRIDOR SCHEDULE



## FUNDING AVAILABILITY

### I-405 PREPARATION PROJECTS

Ripley Lane Trestle  
Coal Crk Rail Removal  
Coal Creek Trestle

FUNDED - Current parks levy  
(combination of ERC + Trestle Program)

### WSDOT / KING COUNTY PARTNERSHIP PROJECTS (Constructed by WSDOT Design/Build Contractor)

Lake Lanes Trail  
Wilburton Gap

FUNDED - Current parks levy  
(Approved in KC Council budget 11/18)

### KING COUNTY COMPLEMENTARY PROJECTS

Wilburton Trestle  
West Side Connection

Currently proposed for inclusion in  
the 2019 Parks Levy proposal

### NE 8TH CROSSING

Currently proposed for inclusion in  
the 2019 Parks Levy proposal



# EASTSIDE RAIL CORRIDOR REGIONAL TRAIL



King County

PARKS  
Playard

***A new name  
for the ERC?***

14 FEET V  
PAVED ASPHA

# **Branding the ERC**

- **Initiated by the Regional Advisory Council (RAC)**
- **Diverse public outreach (surveys, intercept interviews, key stakeholder interviews, focus group)**

## **The 425**

**“I’m going to hop on the 425 to get to Seahawks training camp.”**

## **The Eastway**

**“It took me 20 minutes to get to work on the Eastway”**

## **The E**

**“The best way to get there is on the E.”**

## **The Eastrail**

**“Let’s hop on the Eastrail to get coffee.”**





# Discussion

Facilitated by:  
**Roger Millar, P.E., AICP**  
Secretary of Transportation

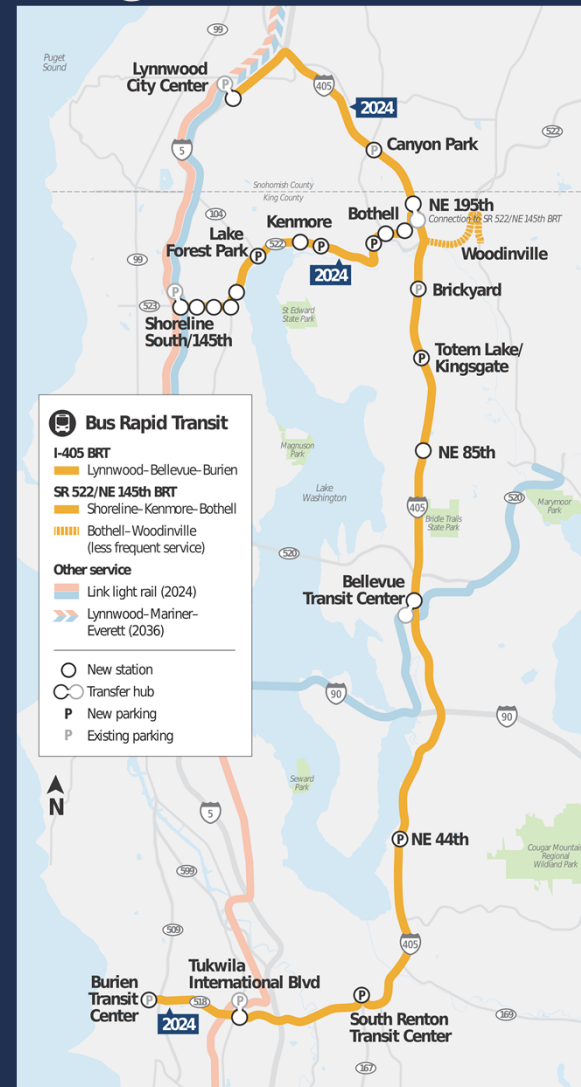
# Sound Transit Update

## I-405 Bus Rapid Transit (BRT)

**Bernard van de Kamp**  
East Corridor Development Director  
Sound Transit

# Bus Rapid Transit system

- New line of business
- I-405 BRT:
  - 37 miles
  - 11 stations
  - 1,300 new park and ride stalls
- SR 522/NE 145<sup>th</sup> BRT
  - 8 miles
  - 9 stations
  - 900 new park and ride stalls
- 2024 Revenue Service





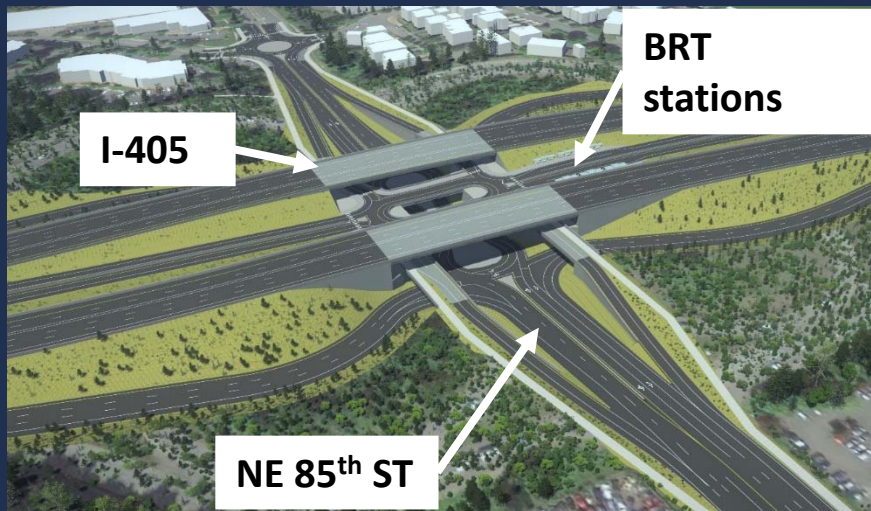
# I-405 BRT system: Current activities

- Refining ST3 representative project
  - Collaboration with corridor partners during 2018
  - Coordinating with SR 522 BRT
  - Seek Q1 2019 authorization to begin focused environmental review and conceptual engineering
- Advancing key components – near term actions
  - NE 85<sup>th</sup> In-Line station project development
  - NE 44<sup>th</sup> In-Line station construction agreement
  - Operations and maintenance base
- Station design and branding



# Near term actions

## NE 85<sup>th</sup> In-Line



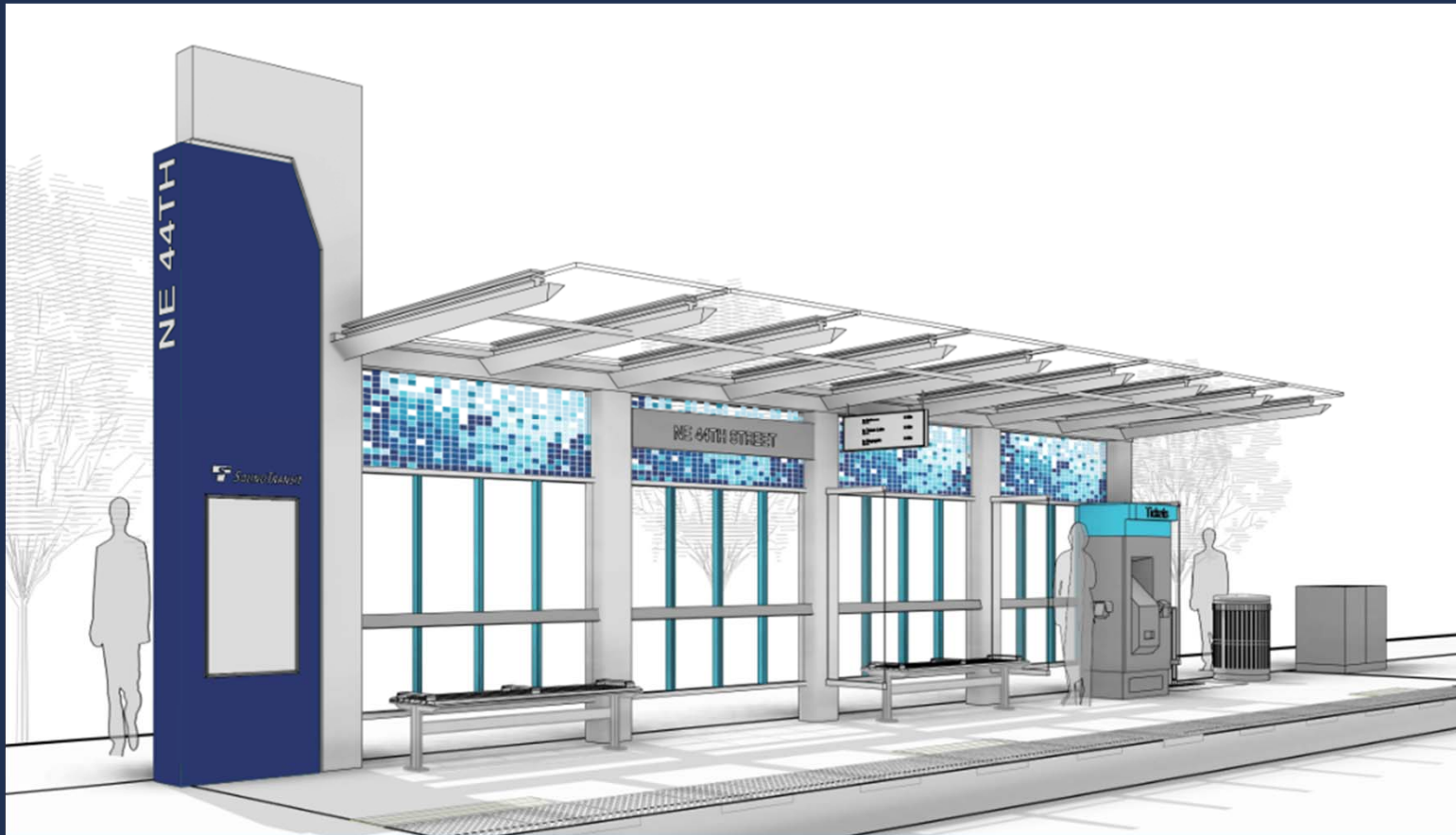
Q4 2018 – begin project development

## NE 44<sup>th</sup> In-Line

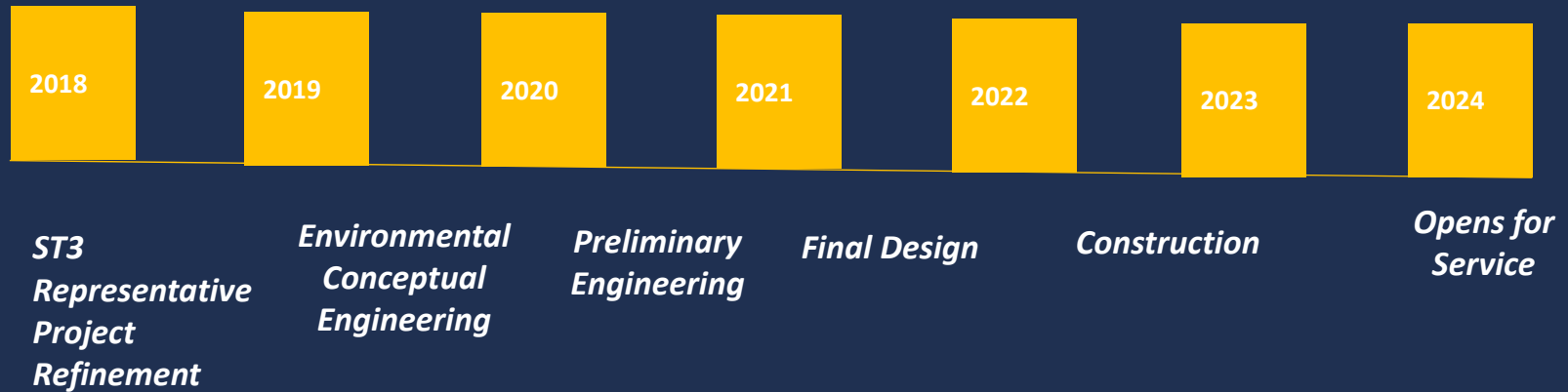


Q1 2019 - construction agreement

# BRT Stations – concept



# BRT System – Timeline



# Discussion

Facilitated by:  
**Roger Millar**  
Transportation Secretary

# WSDOT Update

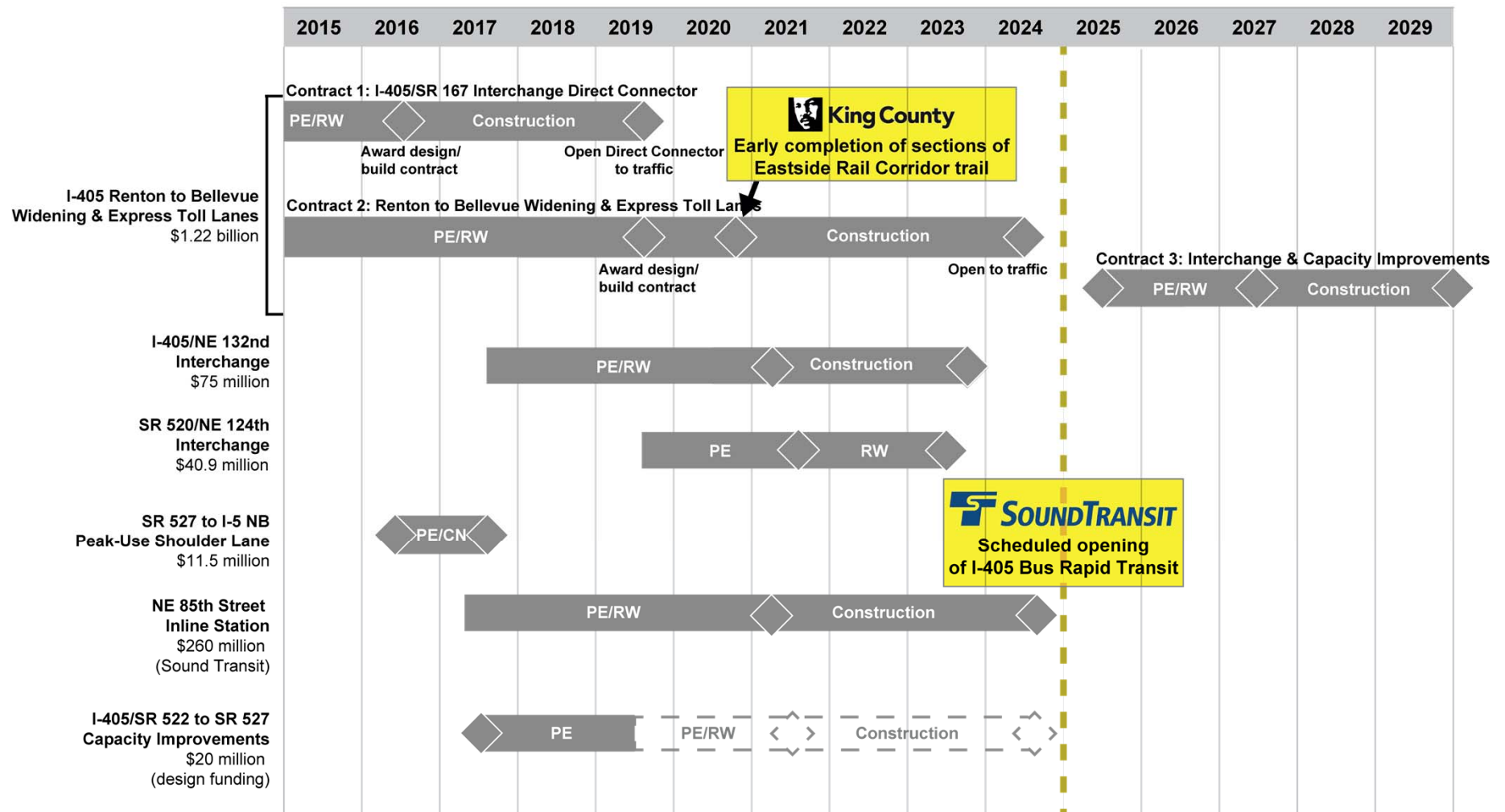
**Kim Henry, P.E.**

Program Administrator  
I-405/SR 167 Program

**Patty Rubstello, P.E.**

Assistant Secretary  
Urban Mobility and Access

# I-405 Delivery Schedule and Next Steps





# SR 522 to SR 527 Capacity Improvements



## Project Description:

- Extends dual ETLs from south of SR 522 to SR 527 and builds a direct access ramp at the SR 522 interchange and a partial direct access ramp at SR 527

## Status:

### Funded: Engineering:

\$20M (FY 17-19 and 19-21)

### Funding Needed:

- **Right of way:** \$20 million
- **Construction:** Approx. \$450 million

**From the 2018 legislative supplemental budget:** "...for activities related to adding capacity on Interstate 405 between state route number 522 and Interstate 5, with the goals of increasing vehicle throughput and **aligning project completion with the implementation of bus rapid transit in the vicinity of the project.**"

**SOUNDTRANSIT**  
BRT Opening

	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Earlier Delivery	PE/RW					Phase 1 CN				
	Toll Revenue + other sources to be identified									



# NE 132<sup>nd</sup> Street Interchange Improvements

## Project Description:

- Constructs a new on-ramp to northbound I-405 and a new off-ramp from southbound I-405 at NE 132nd Street
- Builds two roundabouts on NE 132nd Street at the new interchange

## Status:

- Currently in right of way and access rights acquisition phase
- Construction to start 2021 and open to traffic in 2023
- Funded by Connecting Washington



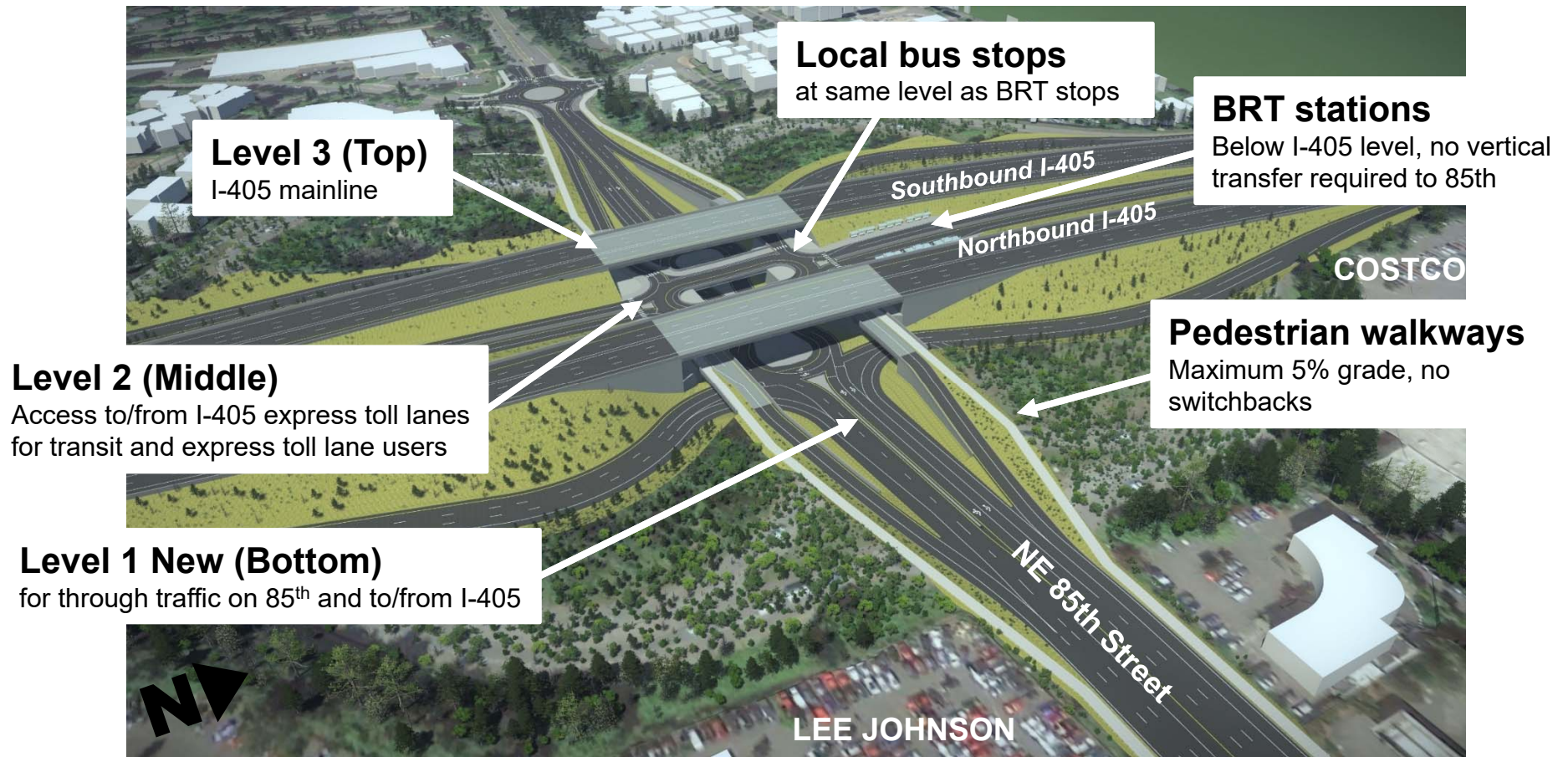
# NE 85<sup>th</sup> Street Interchange

## Project Description:

- Constructs a three-level interchange with the I-405 mainline, Sound Transit flyer stop/direct access (ETL), and NE 85th arterial

## Status:

- Anticipating contract approval at Sound Transit's December board meeting
- Funded by Sound Transit



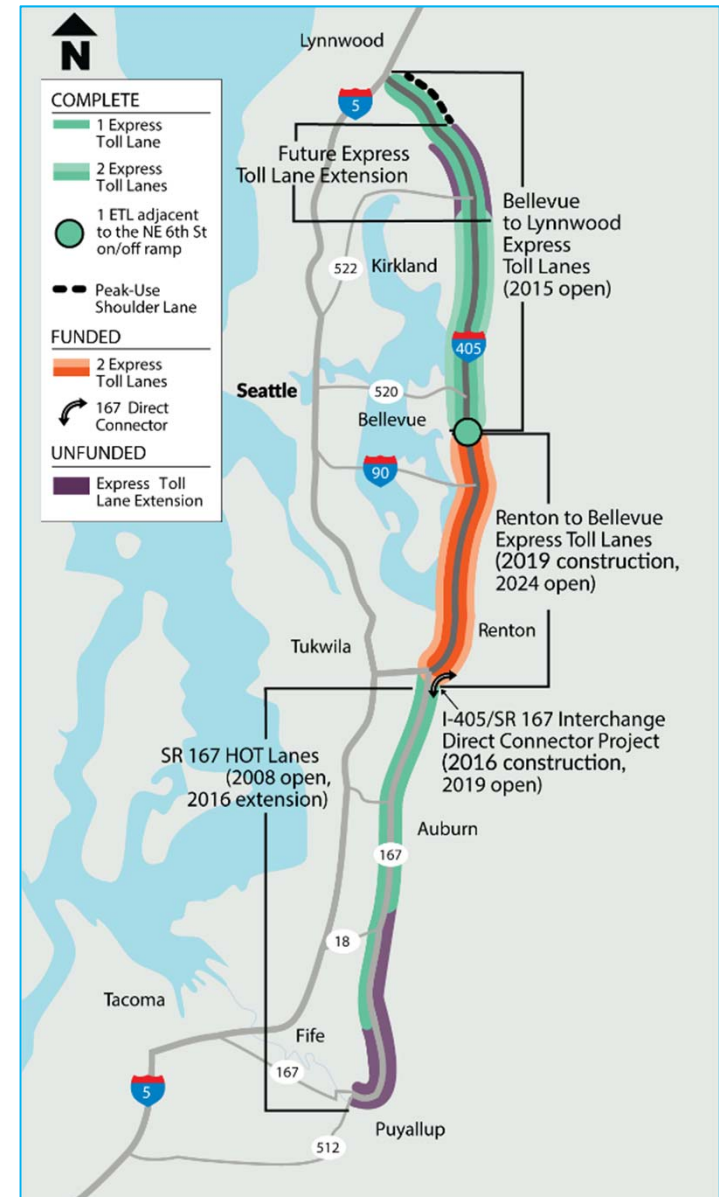
# Completing the 40-Mile Corridor

## Completed Toll System Projects

- ✓ I-405 Bellevue to Lynnwood Express Toll Lanes (2015)
- ✓ SR 167 High Occupancy Toll (HOT) Lanes (Extension 2016)

## Future/Ongoing Toll System Projects

- ✓ I-405/SR 167 Interchange Direct Connector (2019)
- ❑ I-405 SR 522 to SR 527 Capacity Improvements
  - Legislature authorized \$20 million for preliminary engineering
  - FY19-21 agency budget request: \$20 million for right of way
  - Approximately \$450 million needed for construction
- ❑ I-405 Renton to Bellevue Express Toll Lanes
  - Construction to begin in 2019
  - Open to traffic in 2024





# I-405/SR 167 Interchange Direct Connector

September 2016

## Project Description:

- Builds a new flyover ramp connecting the SR 167 HOT lanes to the I-405 HOV lanes
- Relocates a noise wall and constructs portions of local streets in the Talbot Hill neighborhood



Current (December 2018)

## Status:

- Under construction
- **Anticipated: Open to traffic in early 2019** – ahead of schedule and under budget



# Legislative Direction

## ***Connecting Washington Transportation Revenue Package***

***“Continues widening of the I-405 corridor between Renton and Bellevue, including the implementation of Express Toll Lanes (ETL) and rebuilding impacted interchanges. Also builds the first segment of the I-405/SR 167 interchange master plan by constructing a direct connector on northbound and southbound lanes between SR 167 HOT and I-405 express toll lanes. This project would complete a 40 mile corridor wide express toll facility.”***

# I-405 Renton to Bellevue Widening and Express Toll Lanes

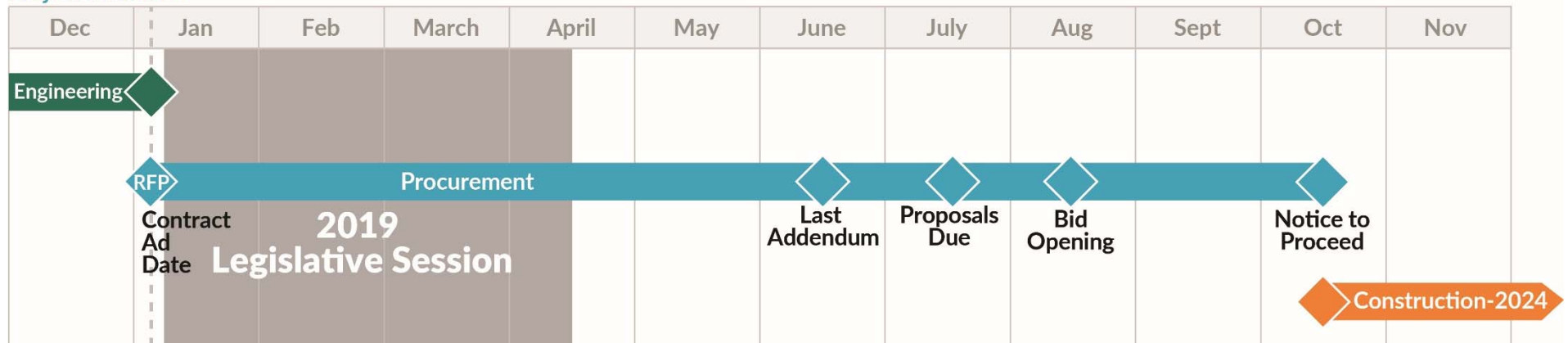
## Project Description:

- Adds new capacity and interchange improvements to create a dual express toll lane system between SR 167 in Renton and NE 6<sup>th</sup> Street in Bellevue
- Approx. \$710 million construction upset price

## Status:

- Proposer short-list in December 2018
- RFP release in January 2019
- Toll authorization bill in 2019 Legislative Session

### Project Schedule



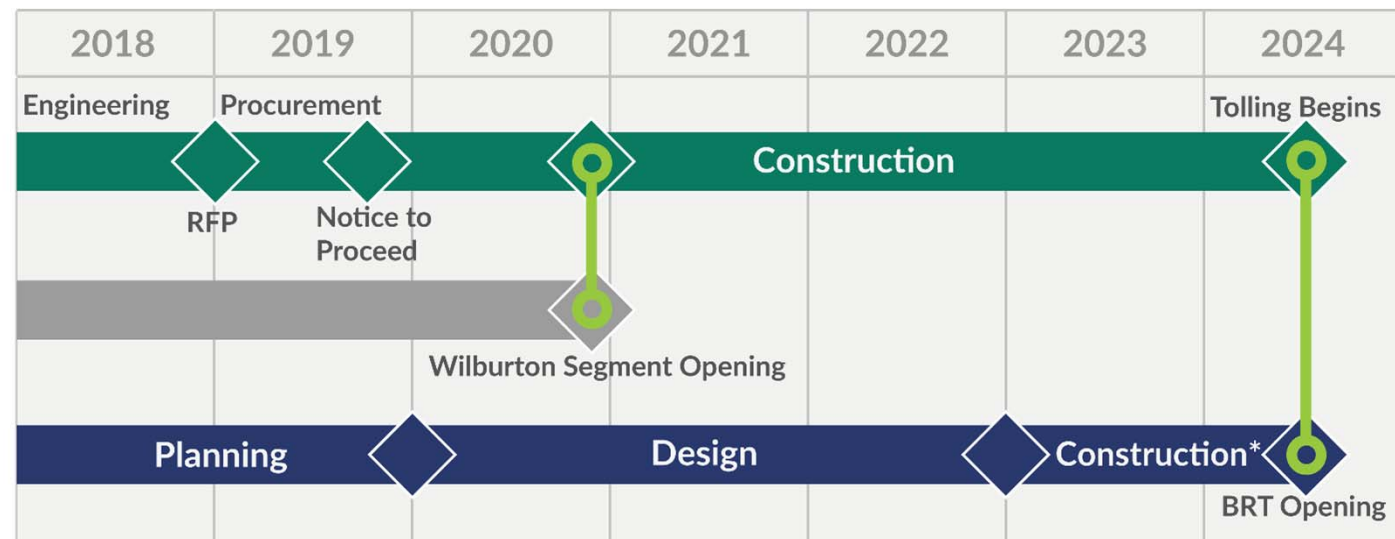
# I-405 Renton to Bellevue: Partner Schedules

**WSDOT**  
Renton to Bellevue  
Widening and  
Express Toll Lanes Project

**King County**  
Eastside Rail Corridor  
Regional Trail

**SOUNDTRANSIT**  
Sound Transit I-405  
Bus Rapid Transit

\$860 million  
BRT plan



\*Early construction activities could begin prior to 2023.

# Benefits of toll authorization from Legislature in 2019



Project advances as planned and notice to proceed for design-builder in 2019



Project stays on schedule to open in 2024



Partnership commitments honored, including Sound Transit BRT and King County ERC Trail

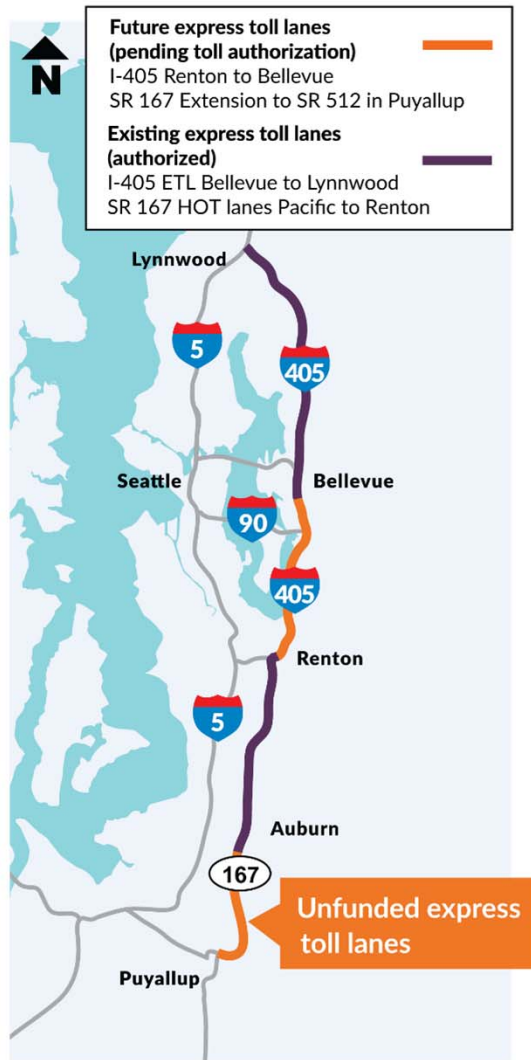


Toll revenue from the project starts to accrue in 2024



# Toll authorization needed

## I-405/SR 167 HOT lanes



The Legislature directed that these projects would use toll revenue to fund construction, however, they still must provide authorization to toll these facilities.

## I-405/SR 167 HOT lanes

- Toll authorization for the full I-405 corridor
- Permanent toll authorization for SR 167 and future extension to SR 512 in Puyallup
- Define I-405 and SR 167 as a corridor, creating one account for toll revenue

## Puget Sound Gateway Program

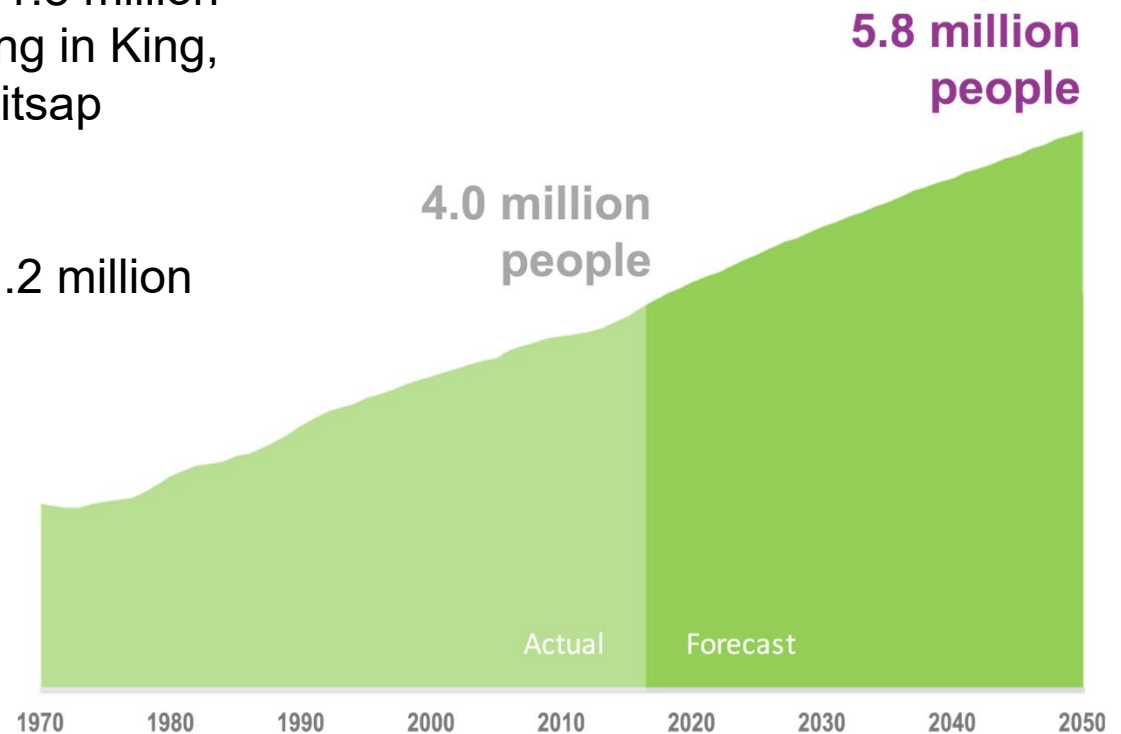
- Toll authorization for SR 167 and SR 509

## Puget Sound Gateway Program



# Regional growth: 2050 forecast

- The Puget Sound Regional Council projects that there will be 1.8 million more residents will be living in King, Pierce, Snohomish and Kitsap counties by 2050
- In addition, there will be 1.2 million more jobs in the region



**PSRC: 2050 Population Forecast**

# I-5 and I-405 peak hour performance comparison

## I-5 (Northbound at NE 130th St)

Daily Volume: 105,000

Stop and Go Heavy Moderate Freeflow



Tuesday, July 12, 2017 4:50 p.m.

## I-405 (Northbound at NE 85th St)

Daily Volume: 107,000

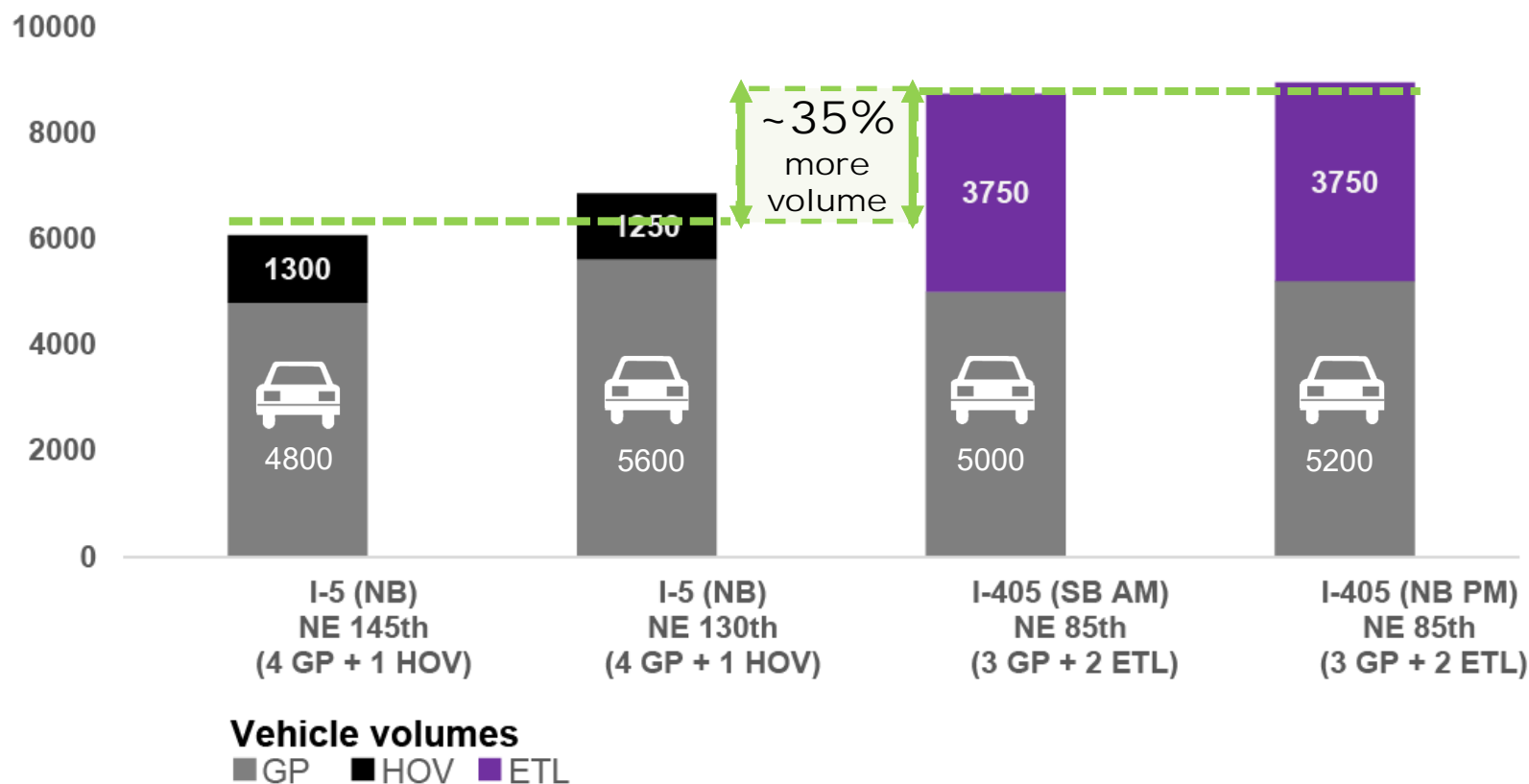
Stop and Go Heavy Moderate Freeflow



Tuesday, July 25, 2017 4:30 p.m.

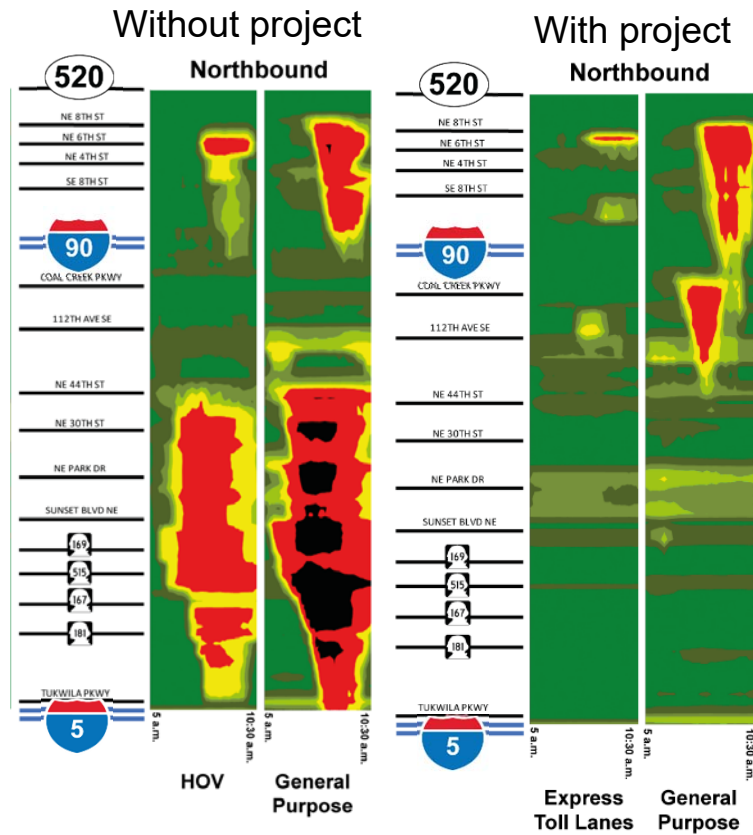
# Express toll lanes move more vehicles

I-405 section with dual express toll lanes moves more vehicles than five-lane I-5 sections with similar daily traffic volumes

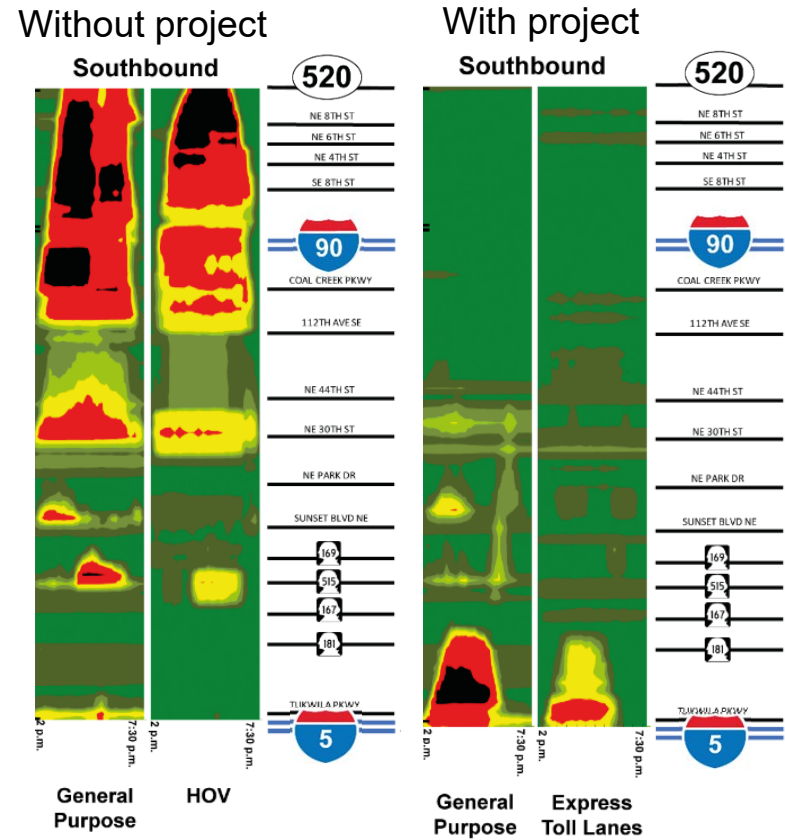


# 2025 traffic projections show substantial benefits

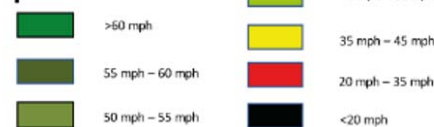
## A.M. Peak (2025)



## P.M. Peak (2025)



### Speeds





# Express toll lanes benefit transit

## Existing transit in express toll lanes



**2%**   
**RIDERSHIP  
INCREASE**

**TIME SAVINGS  
UP TO  
4 MINUTES\***



**9%**   
**RIDERSHIP  
INCREASE**

**TIME SAVINGS  
UP TO  
11 MINUTES**

\*Route 424 that travels along I-405 between SR 520 and SR 522 is the only route to show a travel time increase, but reports travel times over a significantly shorter distance than the other routes.

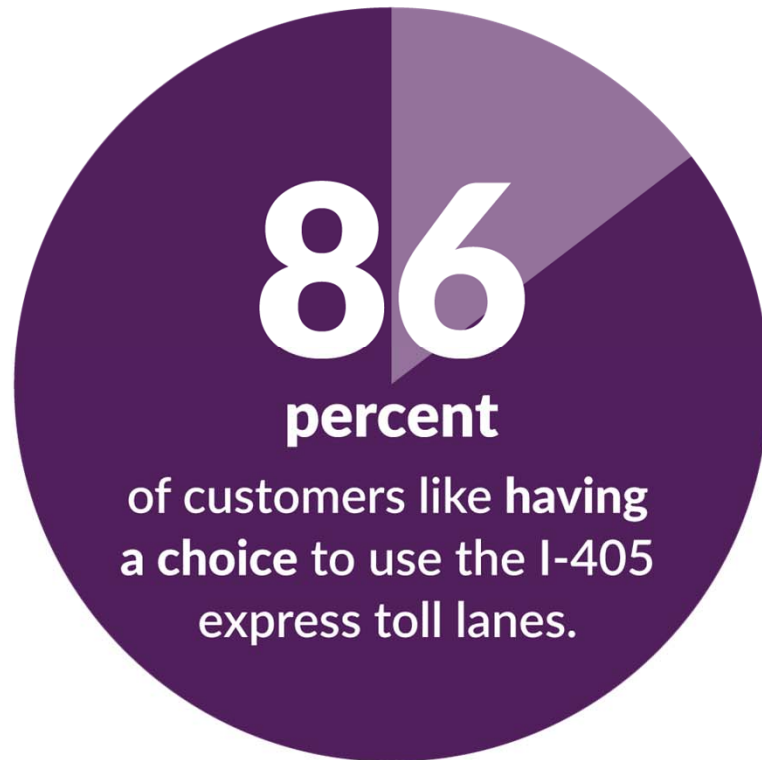
## Future I-405 Bus Rapid Transit (BRT)

- I-405 BRT (approved by voters as part of the Sound Transit 3 package) cannot be implemented as planned without express toll lanes on the length of the I-405 corridor
- Estimated 15,000 to 18,000 riders daily by 2040

# Customer sentiment

WSDOT conducted a September 2018 survey of nearly 775 *Good To Go!* customers who have used the I-405 express toll lanes.

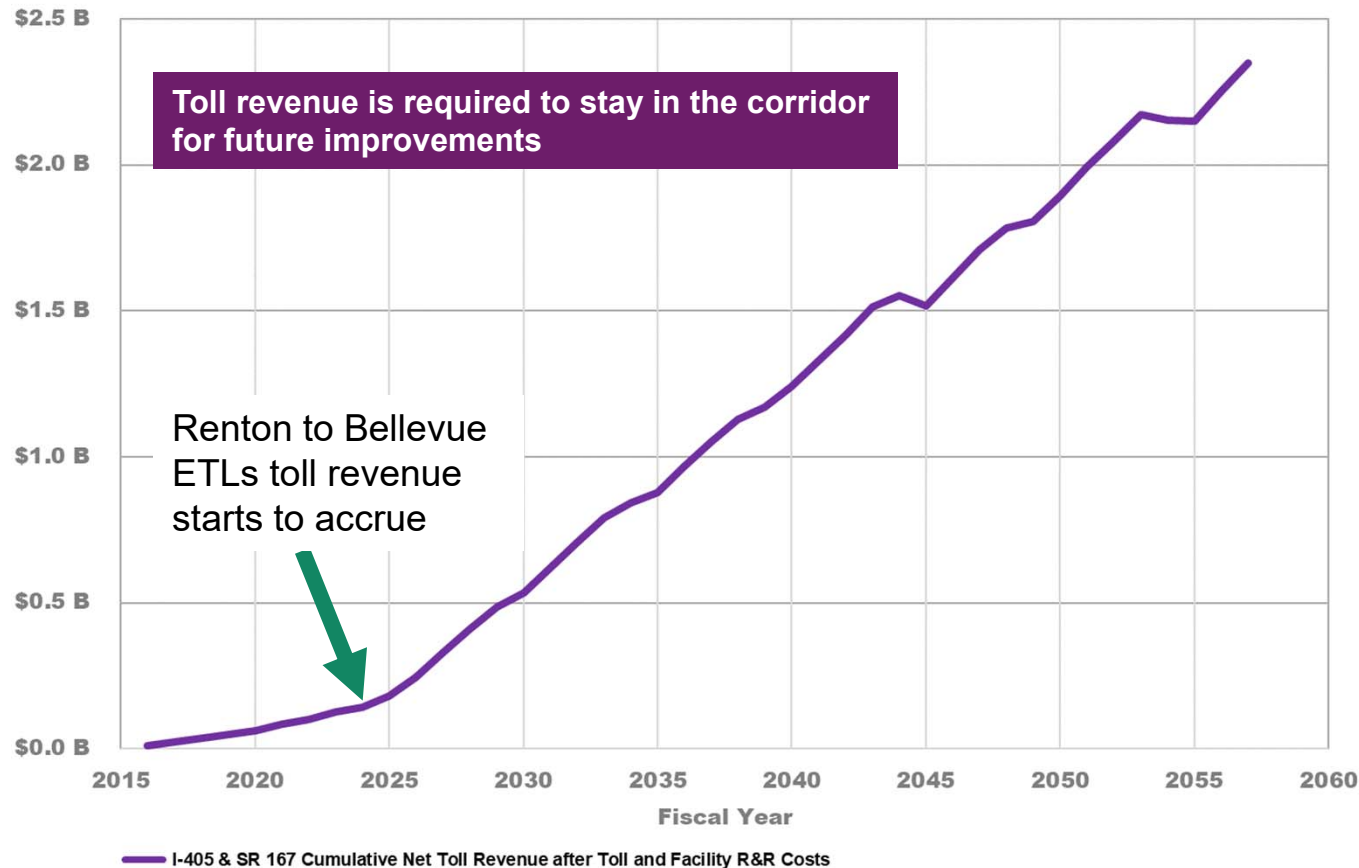
## ***Good To Go!* customer survey**



of people agree they save time when they use the express toll lanes

# Long-term toll revenue potential

## Cumulative Net Toll Revenue for I-405 and SR 167\* Based on June 2017 forecast

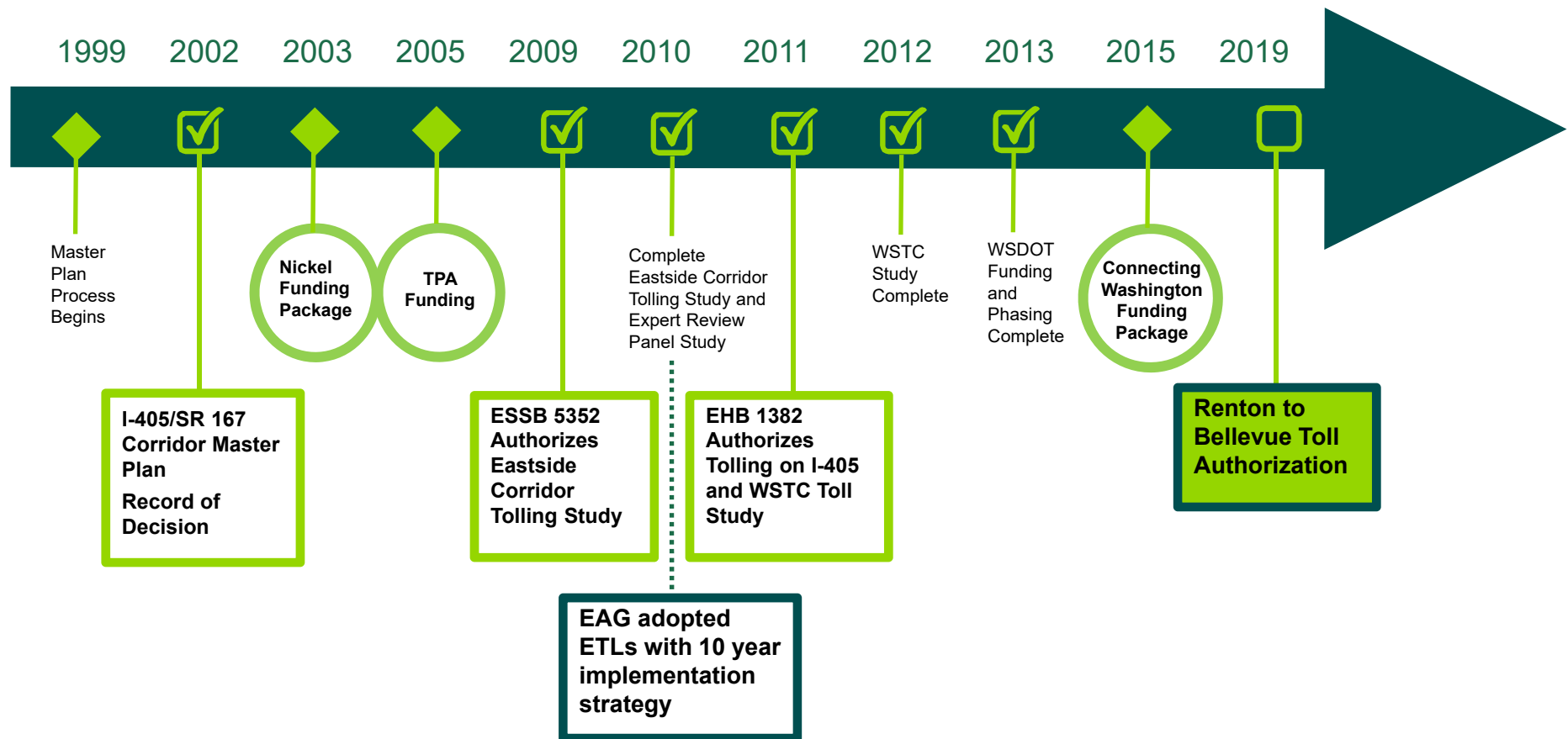


### \*Assumptions:

- Net revenue after toll and facility repair and replacement costs
- Existing maximum toll rates for I-405 and SR 167
- Completion of second I-405 express toll lane between SR 522 and SR 527
- SR 167 HOT lane toll equipment upgraded to accommodate Pay By Mail and Pay By Plate
- \$215M of toll revenue needed for Renton to Bellevue contract 3 (as identified in Connecting Washington)

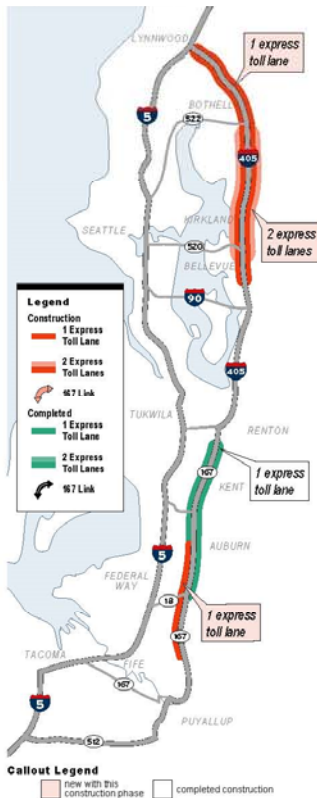


# Two decades of EAG informing policy and projects

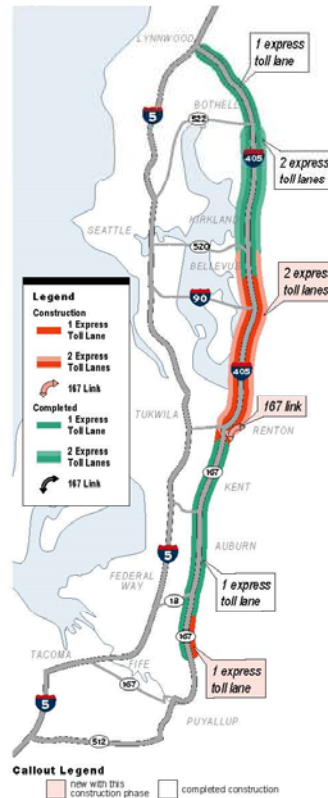


# 10 Year Implementation Strategy (2010)

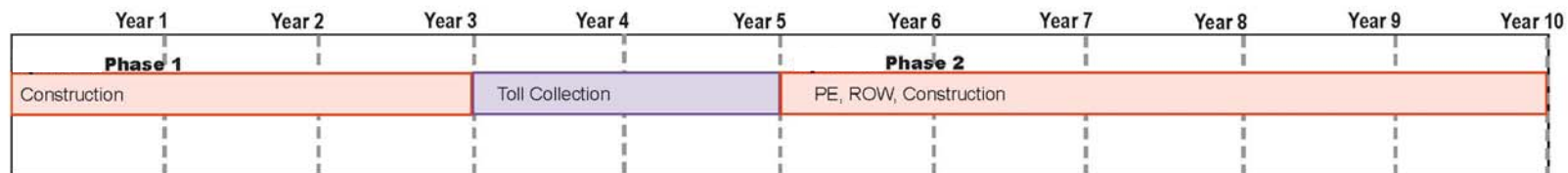
Phase 1 (completed)



Phase 2 (current)



Future Completion



# Next Steps



Secure toll authorization to keep Renton to Bellevue project and partner projects on schedule



Advance the SR 522 to SR 527 Capacity Improvements Project to meet the 2024 Sound Transit BRT schedule, as directed by the Legislature



Develop priority list for remaining Master Plan projects, including implementation, funding, and phasing strategies

# Discussion

Facilitated by:  
**Roger Millar, P.E., AICP**  
Secretary of Transportation

# Public Comment

Facilitated by:  
**Katie Kuciemba Halse**  
I-405/SR 167 Program Communications



# Wrap Up

**Roger Millar, P.E., AICP**  
Secretary of Transportation